CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 94-062

SITE CLEANUP REQUIREMENTS FOR:

JOHNSTON PUMP / GENERAL VALVE, INC.
300 WEST CHANNEL ROAD
BENICIA, SOLANO COUNTY, CALIFORNIA

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Regional Board) finds that:

1. Johnston Pump / General Valve, Incorporated (hereinafter called the "Discharger") leased and operated a facility at 300 West Channel Road, Benicia, Solano County, California (hereinafter called the "site") from 1981 until 1990. On July 26, 1991 the Discharger purchased the site in accordance with an agreement between the Discharger and the previous property owner.

2. The Discharger operated a repair facility at the site which serviced pumps from wastewater treatment and industrial facilities. The pumps were steam cleaned and the steam cleaning rinsate was discharged into a concrete lined, below-grade sump. The sump was in operation for eight years. The contents of the sump were reportedly removed only once during the operating period.

3. Site Description: The site is located in the Benicia Industrial Park and occupies approximately 1.25 acres. A rental truck repair facility currently occupies the site. The neighboring land use is primarily heavy industry. The site is located approximately 150 feet east of Sulphur Springs Creek which drains to Suisun Bay. The site is approximately 1.5 miles from Suisun Bay. The local geology consists of moderately sloping hills with rocky outcrops. The site facilities consist of an office/warehouse building with the remainder of the site covered by asphalt.

4. Site Investigations and Remedial Actions to date:

    a. In May 1989, ERC Environmental and Energy Services Company completed a preliminary site investigation which determined that soils on the site had been impacted by chlorobenzene, chloroform, 1,2-dichloroethene (DCE), methylene chloride (MeCl), tetrachloroethene (PCE), 1,1,1-trichloroethane (TCA), trichloroethene (TCE), ethylbenzene, xylene, and petroleum hydrocarbons. DCE, MeCl and petroleum hydrocarbons were detected most frequently. The highest concentrations were 9.9 ppm MeCl, 1400 ppm petroleum hydrocarbons, and 420 ppb DCE. Groundwater samples from the one on-site monitoring well revealed that groundwater had been impacted by MeCl (21,000 ppb) and DCE (1,700 ppb).

b. In October 1989, Harding Lawson Associates (HLA) prepared the *Summary Report: Underground Sump Removal and Soil Remediation Program.* This report detailed the removal of the below-grade sump and over-excavation of approximately 120 yards of contaminated soil. An update to this report was prepared in the same month. The update presented residual soil contamination data from the sump removal and included a workplan which described the proposed steps for a hydrogeologic investigation.

c. In October 1989, HLA prepared the *Summary Report: Underground Gasoline Storage Tank Removal and Closure Program* for the site. This report detailed the removal of the underground storage tank (UST) at the site. The results of this investigation revealed that no petroleum hydrocarbons had been released from the UST.

d. In January 1990, HLA prepared the report titled *Hydrogeologic Investigation: Johnston Pump Company Facility, Benicia, CA.* This report detailed soil and groundwater sampling on the site. This investigation included the installation and sampling of seven monitoring wells on the site. The results of the soil sampling program revealed low levels of benzene, toluene and PCE in on-site soils. The results of the groundwater sampling program revealed that the groundwater underlying the site had been impacted by PCE (up to 4,700 ppb), 1,2-DCE (up to 950 ppb), 1,1,1-TCA (up to 47 ppb), TCE (up to 30 ppb), vinyl chloride (up to 17 ppb), xylene (up to 4.7 ppb), and toluene (up to 4.7 ppb). This report also presented HLA's conclusions regarding the nature and extent of the contamination on the site. HLA concluded that the contaminated soils in the unsaturated zone had been removed in the over-excavation of the sump. Additionally, HLA posed the possibility that the high level of PCE detected in MW-4 was contributed from an off-site source.

e. In July 1990, PES Environmental Inc. (PES) reviewed the data obtained in the investigation to assess the accuracy of HLA's conclusions. PES concluded that the former below-grade sump was the most likely source of the PCE detected in MW-4. Additionally, PES concluded that the lateral and vertical extent of soil and groundwater contamination had not been fully defined.

f. In February 1992, the Earth Technology Corporation (ETC) prepared a workplan titled *Groundwater Remedial Plan: Johnston Pump / General Valve, Inc. Property* which described the design of a groundwater extraction trench. This workplan was implemented in September 1992. The extraction trench is approximately 50 feet in length and extends to approximately 25 feet below ground surface. The extracted groundwater is treated by carbon adsorption and discharged to the Benicia sanitary sewer.

g. In September 1993 ETC presented the results of the semi-annual groundwater monitoring program. This report revealed that the concentrations of the various halogenated volatile organic compounds were remaining stable or increasing.

5. The investigations completed to date have not established the extent of vertical pollutant migration at depths greater than 25 feet nor the extent of off-site pollutant migration.

6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986. The Basin Plan was amended by the Board on September 16, 1992 and approved by the State Board on April 27, 1993; Office of Administrative Law approval is pending. The Board amended the Basin Plan on October 21, 1992 to adopt a site-specific water quality objective of 4.9 ug/l for copper for San Francisco Bay. Another amendment adopted by the Board on June 16, 1993 regulates the copper waste load allocations. A Basin Plan groundwater amendment was adopted by the Board on October 21, 1992. To date, the State Board has not approved the amendments. The Basin Plan and its amendments contain water quality objectives and beneficial uses for groundwater and Sulfur Springs Creek, Suisun Bay and contiguous surface waters.

7. The prohibitions, specifications and provisions for this permit are based on the plans and policies of the Basin Plan, EPA water quality criteria, EPA guidance for NPDES permit issuance and best professional judgement.

8. The present and potential beneficial uses of the groundwater underlying and adjacent to the site include:
   a. Municipal and domestic water supply
   b. Industrial process water supply
   c. Industrial service water supply
   d. Agricultural water supply

9. The beneficial uses of Sulphur Springs Creek, Suisun Bay and contiguous surface waters include:
   a. Warm freshwater habitat
   b. Industrial service supply
   c. Navigation
   d. Water contact recreation
   e. Non-contact water recreation
   f. Ocean commercial and sport fishing
   g. Wildlife habitat
   h. Preservation of rare and endangered species
   i. Fish migration and spawning
   j. Estuarine habitat

10. The Discharger has caused or permitted, and threatens to cause or permit waste to be discharged or deposited where it is or probably will be discharged to waters of the State and creates or threatens to create a condition of pollution or nuisance.

11. This action is an Order to enforce the laws and regulations administered by the Board. This action is categorically exempt from the provisions of the CEQA pursuant to Section 15321 of the Resources Agency Guidelines.

12. Interim containment and cleanup measures need to be implemented to alleviate the threat to the environment posed by the migration of pollutants and to provide a substantive technical basis for designing and evaluating the effectiveness of final cleanup measures.

13. The Board has notified the Discharger and interested agencies and persons of its intent under California Water Code Section 13304 to prescribe Site Cleanup Requirements for the discharge and has provided them with the opportunity for a public hearing and an opportunity to submit their written views and recommendations.

14. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code and regulations adopted thereunder, that the dischargers, their successors and assigns, shall comply with the following:

A. PROHIBITIONS

1. The discharge of wastes or hazardous materials in a manner which will degrade, or threaten to degrade, water quality or adversely affect, or threaten to adversely affect, the beneficial uses of the waters of the State is prohibited.
2. Further significant migration of pollutants through subsurface transport to waters of the State is prohibited.
3. Activities associated with the subsurface investigation and cleanup which will cause significant adverse migration of pollutants are prohibited.

B. SPECIFICATIONS

1. The storage, handling, treatment or disposal of soil or groundwater containing pollutants shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The Discharger shall conduct monitoring and investigatory activities as needed to define the current local hydrogeologic conditions, and the horizontal and

vertical extent of soil and groundwater pollution. Should monitoring results show evidence of pollutant migration, additional characterization of pollutant extent may be required.

3. The cleanup goals for source area soils shall be background concentrations for metals and petroleum products and no greater than 1 mg/kg for total volatile organic compounds (VOC's). Alternate soil cleanup goals may be proposed by the Discharger based on site specific data. If leaving higher levels of pollutants in soils is proposed, the Discharger must demonstrate that the aforementioned cleanup goal is infeasible, that alternate levels will not threaten the quality of waters of the State, and that human health and the environment are protected. Final cleanup goals for source area soils must be acceptable to the Executive Officer. If any significant concentrations of chemicals are left in the soil, follow-up groundwater monitoring will be required.
4. Final cleanup goals for polluted groundwater, including sources of drinking water, on-site and off-site, shall be background water quality if feasible, in accordance with the State Water Resources Control Board's Resolution No. 68-16. If background water quality goals are not achievable, as determined by data submitted in annual reports, alternative goals may be proposed but must be approved by the Board. Alternate goals may include applicable standards, such as Maximum Contaminant Levels, and shall be based on an evaluation of the cost, effectiveness and a risk assessment to determine the effects on human health and the environment. These goals shall reduce the mobility, toxicity and volume of pollutants.
5. If groundwater extraction and treatment is considered as an alternative, the feasibility of water reuse or disposal to the sanitary sewer must be evaluated. Based on Regional Board Resolution 88-160, the Discharger shall optimize, with a goal of 100%, the reclamation or reuse of groundwater extracted as a result of cleanup activities. The Discharger shall not be found in violation of this Order if documented factors beyond the Discharger's control prevent the Discharger from attaining this goal, provided the Discharger has made a good faith effort to attain this goal. If reuse is part of a proposed alternative, an application for Waste Discharge Requirements may be required. If discharge to waters of the State is part of a proposed alternative, an NPDES permit application must be completed and submitted, and must include the evaluation of the feasibility of water reuse and disposal to the sanitary sewer.
6. Pursuant to Section 13304 of the Water Code, the Discharger has been notified that the Regional Board is entitled to, and may, seek reimbursement for all reasonable costs actually incurred by the Regional Board to investigate unauthorized discharges of waste and to oversee cleanup of such waste, abatement of the effects thereof, or other remedial action, required by this Order. Upon receipt of a billing statement for such costs the Discharger shall reimburse the Board.

C. **PROVISIONS**

1. The Discharger shall perform all investigation and cleanup work in accordance with the requirements of this Order. All technical reports submitted in compliance with this Order shall be satisfactory to the Executive Officer, and, if necessary, the Discharger may be required to submit additional information.
2. To comply with all of the Prohibitions, Specifications and Provisions of this Order and the Self-Monitoring Program, the Discharger shall meet the following compliance task and time schedule:

COMPLIANCE DATE AND TASKS

a. **TASK: WORKPLAN FOR SOIL AND GROUNDWATER POLLUTION CHARACTERIZATION**

COMPLIANCE DATE: July 20, 1994
Submit a technical report acceptable to the Executive Officer containing a proposal to define the horizontal and vertical extent of soil and groundwater pollution. Instead of submittal of a soil pollution characterization workplan, the Discharger may submit a workplan for remediation of the soil pollution by excavation and removal.

b. **TASK: COMPLETION OF SOIL AND GROUNDWATER CHARACTERIZATION**

COMPLIANCE DATE: 90 days after written approval by the Executive Officer of the workplan described in Provision 2.a.
Submit a technical report acceptable to the Executive Officer documenting completion of the necessary tasks identified in the technical report submitted for Provision 2.a. Should monitoring results show evidence of pollutant migration, additional characterization of pollutant extent may be required.

c. **TASK: EVALUATION OF INTERIM REMEDIAL ACTIONS**

COMPLIANCE DATE: December 20, 1994
Submit a technical report, acceptable to the Executive Officer which evaluates the effectiveness of all interim remedial actions taken. If the original interim remedial action alternatives being implemented are not proving to be effective in achieving the interim goals, then this report shall include a SUPPLEMENTAL workplan for specific modifications to, or an alternative to, the original interim remedial system, and an

implementation time schedule. This report shall include, but will not be limited to:

1. quantification of the amount and type of pollutants removed from the soil and ground water by the interim remediation methods to date;
2. an estimation of the volume and extent of pollution remaining in the soil and groundwater;
3. the measured zone of influence, or capture zone, of ground water and vapor extraction wells;
4. a summary and interpretation of pertinent data collected; and
5. an explanation of how the collected data are being utilized in evaluating the effectiveness of the interim remedial actions and designing the final cleanup alternatives.

(1) **TASK: COMPLETION OF SUPPLEMENTAL INTERIM REMEDIAL ACTIONS**

COMPLIANCE DATE: Within 90 days of Executive Officer approval of the supplemental workplan submitted for PROVISION 2.c.

Submit a technical report acceptable to the Executive Officer, documenting completion of tasks necessary to implement the interim remedial activities proposed in the SUPPLEMENTAL workplan submitted for PROVISION 2.c. This report shall include, but will not be limited to, documentation of:

1. installation of all proposed ground water and vapor extraction wells, pumps, conveyance and treatment systems;
2. unexpected or unusual conditions encountered during the installation;
3. any soil removal; and
4. any variations from, or modifications to the approved SUPPLEMENTAL workplan or time schedule determined technically necessary.

d. **TASK: PROPOSED FINAL CLEANUP OBJECTIVES AND FINAL REMEDIAL ACTION PLAN.**

COMPLIANCE DATE: July 20, 1995

Submit a technical report acceptable to Executive Officer containing a final remedial action plan and time schedule. Such report shall include, but will not be limited to:

1. a feasibility study developed in accordance with PROVISION 3 of this Order, to evaluate the alternatives for final remediation;
2. cleanup objectives and levels to be attained and the rationale which shows these cleanup objectives and levels comply with the Basin Plan;
3. the recommended measures necessary to achieve final cleanup levels and objectives;
4. a proposal for treatment and/or disposal of all extracted vapor, ground water and soil;
5. a workplan and implementation time schedule for the proposed final remediation alternatives, including an estimation of the time needed to complete all remediation; and
6. a proposed monitoring and project review plan.

e. **TASK: IMPLEMENTATION OF FINAL REMEDIAL ACTION PLAN**

COMPLIANCE DATE: Within 180 days of Executive Officer approval of the final remedial action plan submitted for PROVISION 2.d.

Submit a technical report acceptable to the Executive Officer, documenting completion of tasks necessary to implement the selected final remediation activities proposed in the workplan submitted for PROVISION 2.d. This report shall include, but will not be limited to, documentation of:

1. installation of all proposed ground water and vapor extraction wells, pumps, conveyance and treatment systems;
2. unexpected or unusual conditions encountered during the installation;
3. any soil removal; and
4. any variations from, or modifications to the approved remediation workplan or time schedule determined technically necessary.

f. **TASK: EVALUATION OF THE FINAL REMEDIAL ACTION PLAN.**

COMPLIANCE DATE: 1 year after implementation of the final remedial action plan described in Provision 2.e. and annually thereafter

Submit a technical report, acceptable to the Executive Officer which evaluates the effectiveness of the final remedial action plan. This report should also include any necessary modifications or additional

measures, with an implementation schedule, to fully remediate or contain the polluted groundwater.

3. The submittal of technical reports evaluating all interim and final remedial measures will include a projection of the cost, effectiveness, benefits and impact on public health and welfare, and the environment, of each alternative measure. The reports shall be consistent with the guidance provided by:
   a. Section 25356.1 of the California Health and Safety Code;
   b. State Water Resources Control Board's Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality Waters in California."
   c. Basin Plan for the San Francisco Bay Region.
4. If the Discharger is delayed, interrupted or prevented from meeting one or more of the compliance dates specified in this Order, the Discharger shall promptly notify the Executive Officer, and the Board may consider revision to this Order.
5. All hydrogeologic plans, specifications, reports and documents shall be signed by and stamped with the seal of a California registered geologist, a California certified engineering geologist or a California registered civil engineer.
6. The Discharger shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.
7. The Discharger shall file a report with the Board at least 30 days in advance of any changes in occupancy or ownership associated with the Site described in this Order.
8. The Board will review this Order periodically and may revise the requirements or compliance schedule when necessary.
9. Pursuant to California Water Code Sections 13304, 13305, 13350, 13385, 13386, and 13387, if the Discharger fails to comply with this Order or any subsequent amendments, the Executive Officer may request the Attorney General to take appropriate enforcement action against the Discharger, including injunctive relief; or the Board may schedule a hearing to consider requesting the Attorney General to take appropriate enforcement action against the Discharger, including injunctive and civil monetary remedies; or the Board may schedule a hearing to administratively impose civil liability not to exceed five thousand dollars ($5,000) for each day this Order is violated.

I, Steven R. Ritchie, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on May 18, 1994.

Steven R. Ritchie
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

JOHNSTON PUMP / GENERAL VALVE, INC.
SITE

LOCATED AT

300 WEST CHANNEL ROAD
BENICIA, SOLANO COUNTY, CALIFORNIA

TENTATIVE ORDER NO. 94-062

A. GENERAL

1. Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

2. The principal purposes of a waste discharger's monitoring program, also referred to as a self-monitoring program, are: 1) To document compliance with site cleanup requirements and prohibitions established by this Regional Board; 2) To facilitate self-policing by the waste dischargers in the prevention and abatement of pollution arising from waste discharge; 3) To develop or assist in the development of discharger prohibitions, regional and national standards of performance, and other standards; and 4) To prepare water and wastewater quality inventories.

3. The Discharger shall permit the Board or its authorized representative, in accordance with Section 13267(c) of the California Water Code:
   a. Entry upon premises at which any pollution sources exist, or may potentially exist, or at which any required records are kept, which are relevant to the Order.
   b. Access to copy any records required to be kept under the terms and conditions of the Order.
   c. Inspection of any monitoring equipment or methodology implemented in response to the Order.
   d. Sampling of any groundwater or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the Discharger.

B. SELF-MONITORING SAMPLING AND ANALYSIS REQUIREMENTS

1. Sampling and Analytical Methods
   a. Sample collection, storage and analyses shall be performed according to the EPA Method 8000 and 8200 series described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," revised November 1990, or other methods approved and specified by the Executive Officer of the Regional Board.
   b. All water samples shall be analyzed by State certified laboratories using approved EPA methods for the type of analysis performed. All laboratories shall maintain quality assurance/quality control records for Board review.
   c. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.
   d. Groundwater samples shall be analyzed for total petroleum hydrocarbons as gasoline using modified EPA Method 8015 and sample

preparation method 5030, and for volatile organic chemicals using EPA Method 8240 or EPA Methods 8010 and 8020 (as specified in Table 1), or other methods approved by Regional Board's Executive Officer .

2. Description of Sampling Stations

Monitoring and extraction wells installed at the time of the adoption of this Self-Monitoring Program are shown in the attached Figure 1. All existing and future monitoring and extraction wells, and any other sampling stations specified, shall be monitored in accordance with the schedule in Section B.3 below.

3. Schedule of Sampling and Analysis

a. Sampling and analysis of groundwater for all wells shall be conducted according to the attached Monitoring Schedule (Table 1). Groundwater elevation in each well shall be measured and recorded before each sampling event.

b. Depths of all wells shall be determined on an annual basis and compared to the depth of the well as constructed. The results of this comparison shall be reported in the annual report specified in Section C.4. below.

C. SELF-MONITORING REPORTING REQUIREMENTS

1. Letter of Transmittal

a. A letter transmitting self-monitoring reports shall accompany each report.

b. This letter shall include a discussion of any violations which occurred during the reporting period and actions taken or planned for the purpose of correcting any requirement violation.

c. Monitoring reports and the letter transmitting reports shall be signed by either a principal executive officer or a duly authorized employee (authorization must be on file at the Regional Board office).

d. The letter shall contain the following certification:

"I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2. Data Reporting Requirements

a. Results from each required analysis and observation shall be submitted in the quarterly self-monitoring reports. Results for any additional chemical analyses performed by the Discharger shall also be submitted.

b. Soil data presented in all text, maps and tables should be reported in the following units:

	preferred unit	acceptable unit
TPH-g or -d	ppm	mg/kg
VOC's	ppb	μg/kg

Groundwater data presented in all text, maps and tables should be reported in the following units:

	preferred unit	acceptable unit
TPH-g or -d	ppb	μg/l, ml/l
VOC's	ppb	μg/l, ml/l

The unit chosen for each constituent must be used consistently throughout all reports.

c. If floating petroleum product is observed during any monitoring event, the thickness of the floating layer will be measured using an oil/water interface probe or other suitable device, and reported to the nearest 0.01 foot. The occurrence of floating product or visible petroleum sheen at a station during a monitoring event will be noted on all data summary tables.

d. Analytical procedures used for the required analyses shall be identified either directly in the report or by reference to a standard plan accepted by the Executive Officer. Any special methods used for the required analyses shall be identified and shall have prior written approval of the Executive Officer.

e. Laboratory reports shall be copied as an appendix to the regular report. These reports shall include all laboratory quality assurance/quality control data and results, such as blanks, trip blanks, duplicates, etc.

f. Original laboratory results shall be retained and shall be made available for inspection for at least three years after origination and until after all continuing or impending legal or administrative actions are resolved.

3. Quarterly Reports

Written technical reports shall be filed quarterly due one month after the end of each calendar quarter (by October 30, January 30, April 30, and July 30). The quarterly self-monitoring reports shall include, but will not be limited to:

a. a detailed summary of work completed in the previous quarter, including construction data on new wells constructed, as well as work projected to be completed in the next quarter;

b. appropriately scaled and labeled maps showing the location of all monitoring wells, extraction wells, utilities and existing structures;

c. water quality data for all monitoring and extraction wells, including laboratory reports, as described in Section C.2. above;
d. iso-concentration maps for tetrachloroethene, 1,2-dichloroethene, vinyl chloride, petroleum hydrocarbons, and methylene chloride in groundwater based on the current quarter's analytical data (trends and inferences based on the iso-concentration maps shall be discussed);
e. updated water table and piezometric surface maps for all affected water bearing zones for all on-site and off-site wells;
f. groundwater extraction rates for all extraction wells;
g. a cumulative tabulation of groundwater levels and analytical data for all on-site and off-site monitoring wells; and
h. identification of potential problems which will cause or threaten to cause violation of the Order and what actions are being taken or planned to prevent these obstacles from resulting in violation of the Order.

4. Annual Reports

A summary report shall be filed annually and be due January 31 of each year. The annual report may be combined with the fourth-quarter Self-Monitoring Report described in Section C.3 above. The annual report shall include, but will not be limited to:

a. a summary of the progress made toward compliance with the tasks and schedules of Provision C.2. of the Order for the past year and a projection of the progress to be made in the upcoming year;
b. tabular and graphical summaries of data for each chemical present above detectable concentrations including minimum, maximum, median and average concentrations for the year, and summary iso-concentration maps showing any migration of chemicals of concern over the year;
c. cumulative water level data and a summary presentation of ground water flow direction over the year;
d. cumulative data showing the volumes of all chemicals of concern that have been removed through corrective action; and
e. a comprehensive discussion of the compliance record during the previous year, and the corrective actions taken or planned which may be needed to bring the discharger into full compliance with this Order.

5. Distribution of Reports

Copies of all reports, documents, and correspondence pertaining to compliance with the Prohibitions, Specifications, Provisions and Self-Monitoring Program of the Order shall be provided to the following agencies:

(1) Executive Officer
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500

Oakland, CA 94612

(2) Solano County Department of Environmental Management
Environmental Health Division
601 Texas Street
Fairfield, CA 94533

I, Steven R. Ritchie, Regional Board Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data to determine compliance with Regional Board Order No. 94-062.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the Discharger and revisions will be ordered by the Executive Officer.

Steven R. Ritchie
Executive Officer

Effective Date: 5/18/94

Attachments: Table 1 — Monitoring Schedule
Figure 1 — Facility and vicinity map including well locations

Table 1.

Monitoring Schedule for the Johnston Pump / General Valve, Inc. Site, 300 West Channel Road, Benicia, CA.

Sampling Station	Screened Interval (ft bgs)	EPA Method 8015 Modified	EPA Methods 8010 and 8020
MW-1	10-25	A[1]	Q
MW-2	5-25	A[1]	Q
MW-3	5-20	A[1]	Q
MW-4	5-20	A[1]	Q
MW-5	5-20	A[1]	Q
MW-6	5-19.5	A[1]	A[1]
MW-7	4.5-19.5	A[1]	A[1]
TOW-1	n/a	A[1]	Q

Key:
Q - Quarterly Sampling and Analysis A - Annual Sampling and Analysis

Footnote:
1 - Quarterly sampling may be required, depending on pollutant migration.

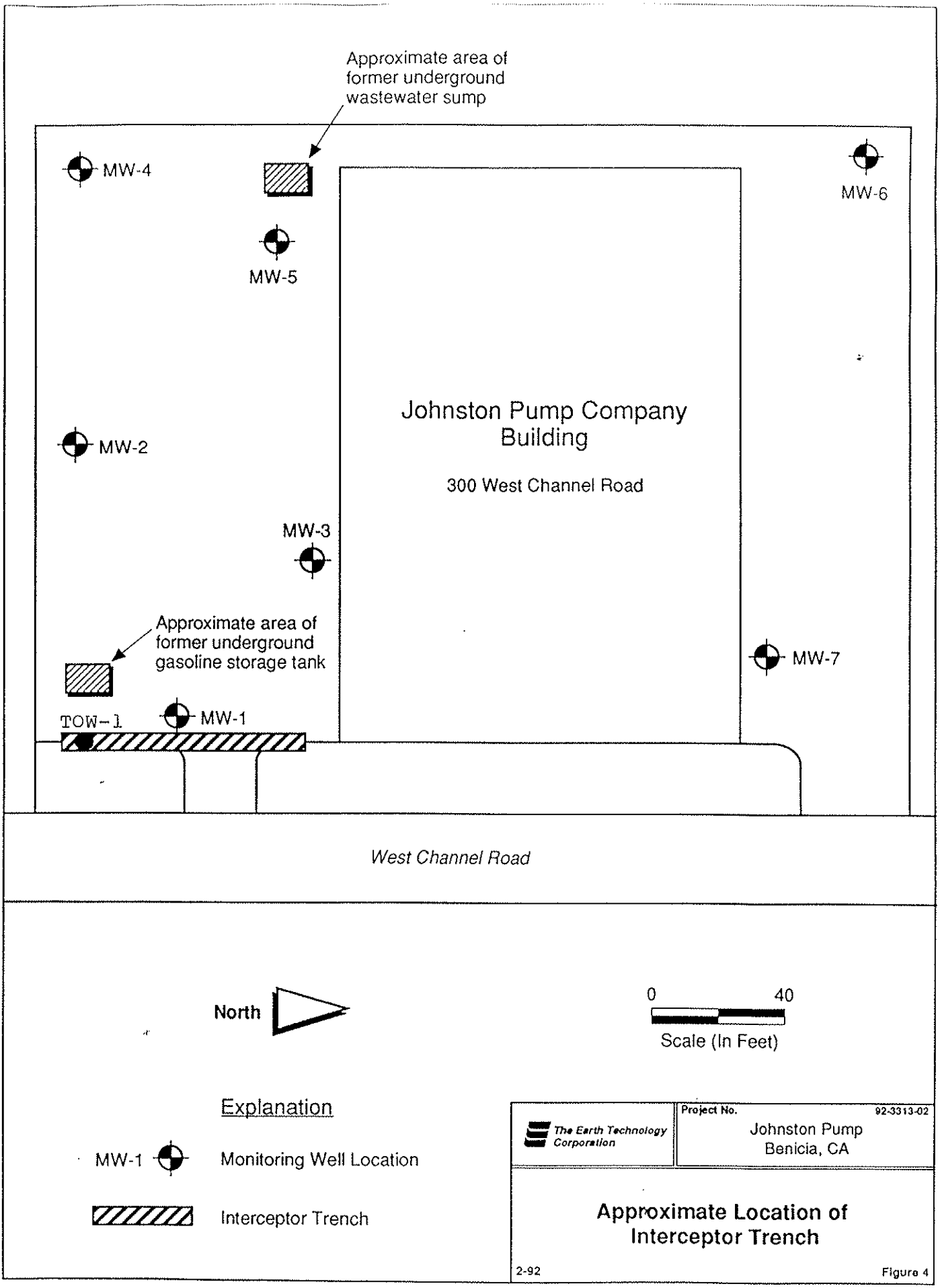

Figure 1 - Site Map